SONY 3-229-361-**11**(1)

FM Stereo/AM PLL Synthesized Headphone Radio

Operating Instructions

WALKMAN

FM/AM WALKMAN

SRF-HM33

Sony Corporation © 2001 Printed in Thailand

N50

WARNING

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

INFORMATION

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio / TV technician for help.

Features

- A total of 20 channels can be preset, 15 FM channels and 5 AM channels.
- MEGA BASS for dynamic bass sound
- Digital clock display
- Adjustable double headbands designed to fit your head
- FM flexible antenna
- Light reflector to reflect car lights at night for your safety.
- SENS (sensitivity) LOCAL / DX selector for better reception

Notes on AM channel step

The AM channel step differs depending on the area. See “Changing AM Channel Step”.

Precautions

- Operate the unit only on 3V DC with two size AAA(R03) batteries.
- Avoid exposure to temperature extremes, direct sunlight, moisture, sand, dust or mechanical shock. Never leave in a car parked in the sun.
- Should any solid object or liquid fall into the unit, remove the batteries and have the unit checked by a qualified personnel before operating it any further.
- In vehicles or buildings, radio reception may be difficult or noisy. Try listening near a window.
- Since a strong magnet is used for the speakers, keep personal credit cards using magnetic coding or spring-wound watches away from the unit to prevent possible damage from the magnet.
- To clean the casing, use a soft cloth dampened with a mild detergent solution.
- This product is not designed to be water-resistant, so you should take care to use the unit when raining, snowing or in a water-splash place.

Notes on Headphones

Road safety

Do not use headphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in many areas. It can also be potentially dangerous to play your headphones at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous situations.

Preventing hearing damage

Avoid using headphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume or discontinue use.

Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to people around you.

Warning

If there is lightning when you are using the unit, take off the headphones immediately.

If you have any questions or problems concerning your unit, please consult your nearest Sony dealer.

Specifications

Time display: 12-hour system

Frequency range:

Band	Frequency range	Channel step
FM	87.5 - 108 MHz	0.1 MHz
AM	530 - 1 710 kHz 531 - 1 710 kHz	10 kHz 9 kHz

Headphone type:
Dynamic

Power output
5 mW + 5 mW (at 10 % harmonic distortion)

Power requirements
3V DC, two size AAA (R03) batteries

Mass:
Approx. 150 g (5 oz) incl. batteries

Design and specifications are subject to change without notice.

Sony on line
http://www.world.sony.com/

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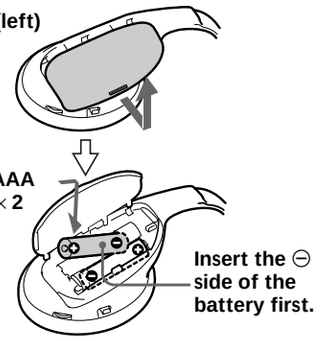

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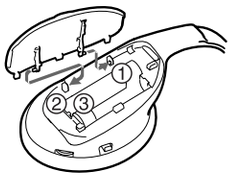


Installing the Batteries (See Fig. A)

1 Open the battery compartment lid and install two batteries (not supplied).
When the batteries are first installed, “AM 12:00” flashes in the display. Once the current time is set, the flashing stops. (See “Setting the Clock”)
2 Close the lid.

Battery Life (Approx. hours)

When using	FM	AM
Sony alkaline size AAA (LR03)	43	62
Sony size AAA (R03)	18	28

You can check the remaining battery power in the display.
The indicators are as follows:

Indicator	
	Full strength
	Weakening
	Exhausted. Replace with the new batteries. When you set **POWER** to **ON** after installing the new batteries, the indicator changes to “ ”. When the batteries become exhausted, the unit will give a long beep and then turn off.

Note

Do not take more than 60 seconds to replace the battery, otherwise, your clock setting and preset stations will be deleted from the memory. Should that happen, reset the functions again.

Notes on batteries

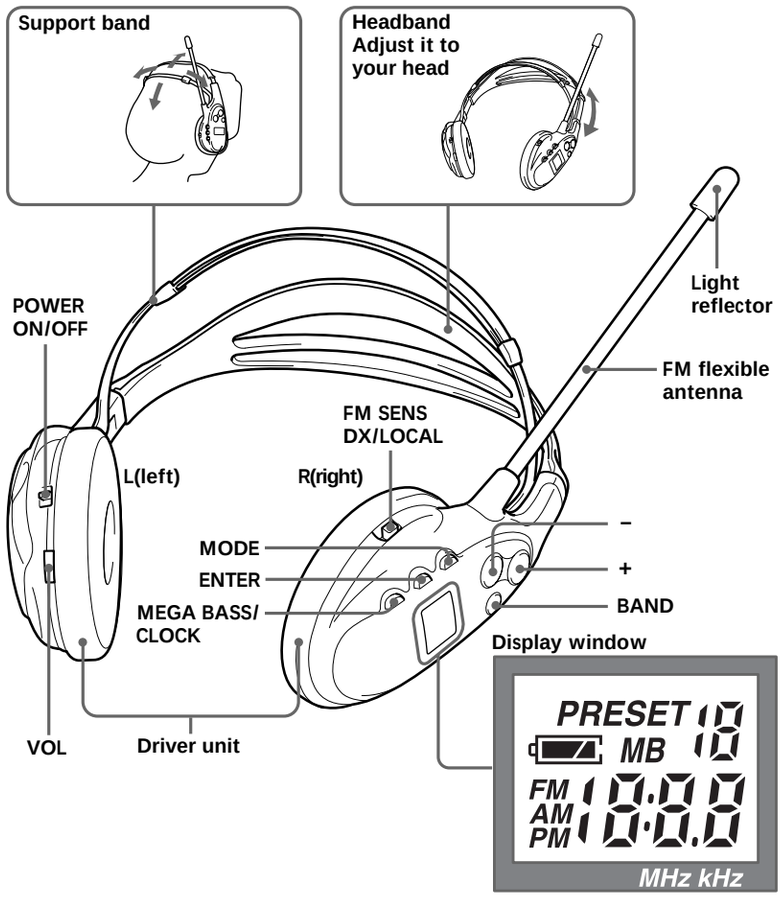
- Do not charge the dry batteries.
- Do not carry the dry batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the batteries are accidentally contacted by a metallic object.
- When you are not going to use the unit for a long time, remove the batteries to avoid damage from battery leakage and corrosion.
- Do not use different types of batteries at the same time.
- When you replace the batteries, replace all with new ones.

If the battery compartment lid comes off (See Fig. B)

The battery compartment lid is designed to come off when opened with excessive force. To put it back on, see the illustration.

① Insert the right hook of the lid into the right hole in the unit.
② Hang the left hook on the left upper part of the compartment.
③ Slide the left hook toward the left hole in the unit.

LIMITED WARRANTY
(Portable Audio)
FOB 30$ 以下



MODE Settings

When power is on:
Changes the tuning mode.
"**PRESET**" is not displayed in manual tuning.
"**PRESET**" and number are displayed in preset tuning.

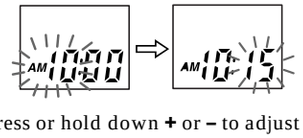
During reception with preset channel:
Deletes preset channel.

Setting the Clock

The time display of this clock is a 12-hour system.

1. Set **POWER** to **OFF** to turn off the power.
2. Press and hold down **MEGA BASS/ CLOCK** for more than 2 seconds until "AM 12"starts flashing.

3. Press or hold down **+** or **–** to adjust the hour and press **MEGA BASS/CLOCK**.
   If you hold down **+** or **–**, the number changes rapidly.
   "AM 12:00 "=midnight, "PM 12:00 "=noon.



4. Press or hold down **+** or **–** to adjust the minutes and press **MEGA BASS/ CLOCK**.
   ":" starts flashing and the clock starts operating.
   To set the current time exactly to the second, adjust the minute and then press **MEGA BASS/CLOCK** in time with a time signal (such as the telephone time signal).
   To cancel the setting, press **MODE**.

Note
Once you start setting the clock, you must perform each step within 60 seconds, or the clock setting mode will be cancelled.

Changing AM Channel Step

The AM channel step differs depending on areas. The channel step of this unit is factory-set to 10 kHz. Change the settings as shown below to be able to listen to the radio.

When using in	Channel step
North and South American countries	10 kHz
Other countries	9 kHz

Note
When the AM channel step is changed, the clock time will be kept but the preset stations will be deleted.

1. Set **POWER** to **OFF** to turn off the power.
2. While pressing **MODE**, hold down **+** or **–** button for more than 5 seconds.
   You will hear the confirmation beep and the channel step will change. "10kHz" or "9kHz" will flash for 3 seconds in the display window.
   To change the channel step again, repeat step 2.

Playing the Radio

— Manual Tuning

1. Set **POWER** to **ON** to turn on the power.
2. Press **MODE** to delete "PRESET" in the display window.
   "PRESET" does not appear in manual tuning.

3. Press **BAND** to select the band.
4. Press or hold down **+** or **–** to select the desired frequency.
   One press of **+** or **–** button changes the frequency by 0.1 MHz for FM and 10 kHz (or 9 kHz as determind by your AM channel step settings) for AM.
   If you keep pressing **+** or **–** button, the frequency changes rapidly.
   When the frequency matches the broadcast frequency, the broadcast will be received.
5. Adjust the volume with **VOL**.
   To turn off the radio, set **POWER** to **OFF**.

To improve stereo program reception
Set **FM SENS** to **LOCAL** if interference is prevalent when radio wave intensity is dramatically stronger.
Under normal conditions, set to **DX**.

To obtain Powerful Bass Sound
Press **MEGA BASS/CLOCK**.
"MB" appears in the display window.

To reduce bass tone, press **MEGA BASS/CLOCK** again. If the sound is distorted, press **MEGA BASS/CLOCK** again.

Presetting your Favorite Stations — Preset Tuning

You can preset up to 15 FM stations and 5 AM stations. To access the stations, simply select the corresponding preset numbers (FM:1-15, AM:1-5).
All the preset numbers are preset to certain stations at the factory. To preset your favorite stations, delete the preset numbers you do not need or change the stations you wish to preset.

Presetting or Changing a Station

1. Follow steps 1 to 5 in "Playing the Radio", and manually tune in to the station you wish to preset.
2. Hold down **ENTER** until you can hear the confirmation beep.
   When all the preset numbers are set to certain stations (factory-set), "1" flashes and "PRESET" appears.
   When the unit has an available preset number, only the number flashes and "PRESET" does not appear.
   If you do not carry out any further steps, the unit stops flashing after about one minute. The display before step 2 is restored.

3. Press **+** or **–** to select the number you wish to preset and press **ENTER**.
   After selecting the preset number (displayed with "PRESET") set to the radio station, pressing **ENTER** deletes the preset stations and presets the station being received.
   Example: Display window when you preset 90.0MHz on FM as the position 1.

Tuning in to a Preset Station

1. Set **POWER** to **ON** to turn on the power.
2. Press **MODE** to show "PRESET" in the display window.
3. Press **+** or **–** to select the desired preset number.
   Only the preset numbers set to certain stations are displayed.
4. Adjust the volume with **VOL**.

Deleting a Preset Station

1. Follow steps 1 and 2 in "Tuning in to a Preset Station".
2. Press **+** or **–** to select the preset number to be deleted.
3. Hold down **MODE** for more than 3 seconds until "PRESET", "dEL" and the preset number flash.

4. While the letters and the number are flashing, press **ENTER**.
   Pressing **ENTER** deletes the station set to the preset number and the unit starts receiving the station set to the preset number just before it (or, if that preset number is not set to any station, to the preset number before that again).